RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: ______

Source:

Date Processed by STIC:

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 06/09/2006
PATENT APPLICATION: US/10/581,213 TIME: 10:37:48

Input Set : A:\5185.ST25.txt

3 <110> APPLICANT: Bayer Pharmaceuticals Corporation

```
Pauloski, Nicole
             Liu, Li
      7 <120> TITLE OF INVENTION: Gene Expression Profiles and Methods of Use
      9 <130> FILE REFERENCE: 5185
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/581,213
C--> 11 <141> CURRENT FILING DATE: 2006-05-30
    11 <150> PRIOR APPLICATION NUMBER: US 60/529,432
    12 <151> PRIOR FILING DATE: 2003-12-12
    14 <160> NUMBER OF SEQ ID NOS: 37
    16 <170> SOFTWARE: PatentIn version 3.3
    18 <210> SEO ID NO: 1
    19 <211> LENGTH: 2663
    20 <212> TYPE: DNA
    21 <213> ORGANISM: Homo sapiens
    23 <400> SEQUENCE: 1
                                                                               60
    24 ccaccatggc tecgcacegc ecegegeeeg egetgetttg egegetgtee etggegetgt
                                                                              120
    26 gegegetgte getgeeegte egegeggeea etgegtegeg gggggegtee caggegggg
    28 cgccccaggg gcgggtgccc gaggcgcggc ccaacagcat ggtggtggaa caccccgagt
                                                                              180
    30 tecteaagge agggaaggag cetggeetge agatetggeg tgtggagaag ttegatetgg
                                                                              240
                                                                              300
    32 tgcccqtqcc caccaacctt tatggagact tcttcacggg cgacgcctac gtcatcctga
                                                                              360
    34 agacagtgca gctgaggaac ggaaatctgc agtatgacct ccactactgg ctgggcaatg
                                                                              420
    36 agtgcagcca ggatgagagc ggggcggccg ccatctttac cgtgcagctg gatgactacc
    38 tgaacggccg ggccgtgcag caccgtgagg tccagggctt cgagtcggcc accttcctag
                                                                              480
                                                                              540
    40 qctacttcaa qtctqgcctg aagtacaaga aaggaggtgt ggcatcagga ttcaagcacg
    42 tggtacccaa cgaggtggtg gtgcagagac tcttccaggt caaagggcgg cgtgtggtcc
                                                                              600
                                                                              660
    44 gtgccaccga ggtacctgtg tcctgggaga gcttcaacaa tggcgactgc ttcatcctgg
                                                                              720
    46 acctgggcaa caacatccac cagtggtgtg gttccaacag caatcggtat gaaagactga
                                                                              780
    48 aggccacaca ggtgtccaag ggcatccggg acaacgagcg gagtggccgg gcccgagtgc
    50 acgtgtctga ggagggcact gagcccgagg cgatgctcca ggtgctgggc cccaagccgg
                                                                              840
                                                                              900
    52 ctctgcctgc aggtaccgag gacaccgcca aggaggatgc ggccaaccgc aagctggcca
                                                                              960
    54 agetetacaa ggtetecaat ggtgeaggga ceatgteegt etecetegtg getgatgaga
                                                                             1020
    56 accepttege ccagggggee ctgaagteag aggactgett cateetggae caeggeaaag
                                                                             1080
    58 atgggaaaat ctttgtctgg aaaggcaagc aggcaaacac ggaggagagg aaggctgccc
                                                                             1140
    60 tcaaaacagc ctctgacttc atcaccaaga tggactaccc caagcagact caggtctcgg
    62 teetteetga gggeggtgag acceeactgt teaageagtt etteaagaac tggegggace
                                                                             1200
                                                                             1260
    64 cagaccagac agatggcctg ggcttgtcct acctttccag ccatatcgcc aacgtggagc
                                                                             1320
    66 gggtgccctt cgacgccgcc accctgcaca cctccactgc catggccgcc cagcacggca
    68 tgqatqacqa tgqcacaggc cagaaacaga tctggagaat cgaaggttcc aacaaggtgc
                                                                             1380
    70 ccgtggaccc tgccacatat ggacagttct atggaggcga cagctacatc attctgtaca
                                                                             1440
    72 actaccgcca tggtggccgc caggggcaga taatctataa ctggcagggt gcccagtcta
                                                                             1500
    74 cccaggatga ggtcgctgca tctgccatcc tgactgctca gctggatgag gagctgggag
                                                                             1560
                                                                             1620
     76 gtacccctgt ccagagccgt gtggtccaag gcaaggagcc cgcccacctc atgagcctgt
```

RAW SEQUENCE LISTING DATE: 06/09/2006
PATENT APPLICATION: US/10/581,213 TIME: 10:37:48

Input Set : A:\5185.ST25.txt

78 ttggtgggaa gcccatgatc atctacaagg gcggcacctc ccgcgagggc gggcagacag	1680
80 ccctgccag cacccgcctc ttccaggtcc gcgccaacag cgctggagcc acccgggctg	1740
82 ttgaggtatt gcctaaggct ggtgcactga actccaacga tgcctttgtt ctgaaaaccc	1800
84 cctcagccgc ctacctgtgg gtgggtacag gagccagcga ggcagagaag acgggggccc	1860
86 aggagetget cagggtgetg egggeecaae etgtgeaggt ggeagaagge agegageeag	1920
88 atggettetg ggaggecetg ggegggaagg etgeetaceg cacatececa eggetgaagg	1980
90 acaagaagat ggatgcccat cctcctcgcc tctttgcctg ctccaacaag attggacgtt	2040
92 ttgtgatcga agaggttcct ggtgagctca tgcaggaaga cctggcaacg gatgacgtca	2100
94 tgcttctgga cacctgggac caggtctttg tctgggttgg aaaggattct caagaagaag	2160
96 aaaagacaga agcettgact tetgetaage ggtacatega gaeggaeeca gecaateggg	2220
98 atcggcggac gcccatcacc gtggtgaagc aaggctttga gcctccctcc tttgtgggct	2280
100 ggttccttgg ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg	2340
102 agctggctgc ctgaggaggg gcagggccca cccatgtcac cggtcagtgc cttttggaac	2400
104 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgt	2460
106 gtgtgtgtgt tgtttctttt ttttttttt acagtatcca aaaatagccc tgcaaaaatt	2520
108 cagagteett geaaaattgt etaaaatgte agtgtttggg aaattaaate eaataaaaac	2580
110 attttgaagt gtgaaaaaaa aaaaaaaaaa aaaaaaaa	2640
112 aaaaaaaaaa aaaaaaaaa aaa	2663
115 <210> SEQ ID NO: 2	
116 <211> LENGTH: 6614	
117 <212> TYPE: DNA	
118 <213> ORGANISM: Homo sapiens	
120 <400> SEQUENCE: 2	
121 aacaaaccaa geegeggegg tgteegegge eetgeegage eeteggegtt geeteagaat	60
123 cccccagtcg cctgggcccc tcggctctga caggccgcgg ccttctgtcc cccggcccca	120
125 gacccagage egaggggeet getegegtee ttgteegeee ggacccetee etgeeteeta	180
127 gagttegggg eegegggg egggegeeeg ggaegeegge ggttgtgteg gettageggt	240
129 gccgaatggg cggttggtaa ccgctgccga ggactaggcg gcggcggaag atggtgccgg	300
131 gggtcgctgg ctctgctgct gccgccggcg aaggaggagg cgttgccggt tttctgagtt	360
133 taaccagtaa tgccattcag ttgccaatct caagcaaagc aaacataagc cagttttaat	420
135 ctacttttta agaaaagtgg tagtcctttt cacagtgcct gacgtaactg tatcagaggg	480
137 tgaggtataa gctcacagaa ttcagataaa tcatcatgaa gttatatgta tttctggtta	540
139 acactggaac tactctaaca tttgacactg aacttacagt gcaaactgtg gcagacctta	600
141 agcatgccat tcaaagcaaa tacaagattg ctattcaaca ccaggtgctg gtggtcaatg	660
143 gaggagaatg catggctgca gatcgaagag tgtgtaccta cagtgctggg acggatacaa	720
145 atccaatttt tetttttaac aaagaaatga tettatgtga tegteeacet getatteeta	780
147 aaactacctt ttcgacagaa aatgacatgg aaataaaagt tgaagaatct cttatgatgc	840
149 ctgcagtttt tcatactgtt gcttcaagga cacagcttgc attggaaatg tatgaagttg	900
151 ccaagaaact ttgttctttt tgtgaaggtc ttgtacatga tgaacatctt caacaccaag	960
153 gctgggctgc aatcatggcc aacctggagg actgttcaaa ttcataccaa aagctacttt	1020
155 tcaagtttga aagtatttat tcaaattatc tgcagtccat agaagacatc aagttaaaac	1080
157 ttactcattt aggaactgca gtttcagtaa tggccaagat tccactgttg gagtgcctaa	1140
159 ccagacatag ttacagagaa tgtttgggaa gactggattc tttacctgaa catgaagact	1200
161 cagaaaaagc tgagacgaaa agatccactg aactggtgct ctctcctgat atgcctagaa	1260
163 caactaacga atctttgtta acctcatttc ccaagtcagt ggaacatgtg tccccagata	1320
165 ccgcagatgc tgaaagtggc aaagaaatta gggaatcttg tcaaagtact gttcatcagc	1380
167 aagatgaaac tacgattgac actaaagatg gtgatctgcc cttttttaat gtctctttgt	1440
169 tagactggat aaatgttcaa gatagaccta atgatgtgga atctttggtc aggaagtgct 171 ttgattctat gagcaggctt gatccaagga ttattcgacc atttatagca gaatgccgtc	1500 1560
TIVE FEGRECAT GROCEGOCIE GRECCRROGR FERIEGREC REFERRACA GRAEGECGEC	1201

RAW SEQUENCE LISTING DATE: 06/09/2006 PATENT APPLICATION: US/10/581,213 TIME: 10:37:48

Input Set : A:\5185.ST25.txt

					taaaggactt		1620
					ggtgaatgaa		1680
					cttaaaggat		1740
					tatgttgcaa		1800
181	aactgttaga	tattaagcag	aagtgtacca	ctgccaaaca	agaactagca	aataacctac	1860
183	atgtcagact	gaagtggtgt	tgctttgtaa	tgcttcatgc	tgatcaagat	ggagagaagt	1920
185	tacaagcttt	gctccgcctc	gtaatagagc	tgttagaaag	agtcaaaatt	gttgaagctc	1980
187	ttagtacagt	tcctcagatg	tactgcttag	ctgttgttga	ggttgtaaga	agaaaaatgt	2040
					agatggaaag		2100
					taggaagtct		2160
					ttgtactcaa		2220
					acagtttctg		2280
					ttgtgacttt		2340
					acaaagtttg		2400
					tgtgagtcag		2460
					tacaactact		2520
					tgcagtttgt		2580
					tgaaactatt		2640
					ttcattagca		2700
					agaaaatttg		2760
					atcactttat		2820
					atgtggtaag		2880
				_	agttgttgcc		2940
					tagaacattt		3000
					agaaataaga		3060
					acatcaaaaa		3120
	_				aaaggaaact		3180
					tgaggaggtt		3240
					tgtaatctgc		3300
					ctctcaaaat		3360
					aaaaaagctc		3420
							3480
					cttggagcaa		3540
					gtttgagaag		3600
					acaaataatt		3660
					gttacaggaa		3720
					tgaacttgcg		
					agcccagcag		3780
					agaaattagt		3840
					agcagagcta		3900
					tagacatgaa		3960
					taaccaagca		4020
					attggattca		4080
					agagaaatac		4140
					ccaggagcaa		4200
					tcagactgcc		4260
					aaaagttaaa		4320
					agattcttca		4380
					tctagaacaa		4440
269	aagaaaaaag	aaagaatgaa	gaaatgcaaa	atgttcgaac	atctttgatt	gcggaacaac	4500

RAW SEQUENCE LISTING DATE: 06/09/2006
PATENT APPLICATION: US/10/581,213 TIME: 10:37:48

Input Set : A:\5185.ST25.txt

	_	_	ttaacaagag				4560
		_	agtacaatgc				4620
	_		gctcgtttgc				4680
			agttttgttc				4740
			gaactcccag				4800
			tcagcaatgg				4860
			aaacagcgga				4920
285	aagaagaaga	aaataaacgg	ttaaatcaaa	gactgatgtc	tcagagcatg	tcttcagtat	4980
287	cttcaaggca	ttctgaaaag	atagctatta	gagattttca	ggtgggagat	ttggtactca	5040
			gacaattatg				5100
			cctgccctgg				5160
			gtaatggaaa				5220
295	acagatttaa	agttcctttg	gggacaaagt	tttacagagt	gaaagccgta	tcatggaata	5280
297	agaaagtata	acttatggac	aaaattaata	cattctatga	cattttttc	tgatttgtcc	5340
299	tgcagtgctc	attcatcact	ccaaaaacag	caggccatct	ttttatgcaa	aagtcagcgt	5400
			tacatcgttt				5460
			gctgaattaa				5520
			gcggaccaaa				5580
			gccatattaa				5640
			taccagcatt				5700
			tttataaaat				5760
			tgataatcat				5820
315	aattqtttca	qtttttttaa	atgccctttg	atqtttcaaa	aaaaaaaagg	aactgtaatt	5880
			cagccataag				5940
			aaagggaaga				6000
			ttatgactct				6060
			aagatattca				6120
			aaaagaactg				6180
			aaagaaggat				6240
			tgtatcatat				6300
331	tetttaaeta	tatactatgt	aacagggtaa	acagtgttat	gtagaataga	attototaaa	6360
			ccattgagca				6420
			ttgctagaga				6480
			ataagttaaa				6540
			agtgtataga				6600
	gaacaaatga		agogoacaga	addoogadoo	• gaeaa geea		6614
	<210> SEQ 3						
	<211> LENG'						
	<211> EENG.						
			canienc				
	47 <213> ORGANISM: Homo sapiens 49 <400> SEQUENCE: 3						
	-		ccgaagtcag	ttaattataa	agecggaget	aaacacaaat	60
			tcagaggagg				120
			cgagccaagc				180
							240
3 - 2		LCGCGGGGGG	graciacarr	cacaggtgtt			
				atacacacaca	aaggggtggg	accacatatt	300
358	agaaccggct	ggggatgtcc	gtcagaaccc				300 360
358 360	agaaccggct cggcccagtg	ggggatgtcc gacagcgagc	gtcagaaccc agctgagccg	cgactgtgat	gcgctaatgg	cgggctgcat	360
358 360 362	agaaccggct cggcccagtg ccaggaggcc	ggggatgtcc gacagcgagc cgtgagcgat	gtcagaaccc	cgactgtgat ctttgtcacc	gcgctaatgg gagacaccac	cgggctgcat tggagggtga	

RAW SEQUENCE LISTING DATE: 06/09/2006 PATENT APPLICATION: US/10/581,213 TIME: 10:37:48

Input Set : A:\5185.ST25.txt

366	ccggcgaggc	cgggatgagt	tgggaggagg	caggcggcct	ggcacctcac	ctgctctgct	540	
368	gcaggggaca	gcagaggaag	accatgtgga	cctgtcactg	tcttgtaccc	ttgtgcctcg	600	
					gactctcagg		660	
					cggctgatct		720	
					gcgcgagggc		780	
					aattattatt		840	
					cccccagcc		900	
					cctaagagtg		960	
					ttctcctttt		1020	
					tccccacttg		1080	
					acaggcggtt		1140	
					tgagaagtaa		1200	
					tttggagtcc		1260	
					agggctgagc		1320	
					ggcaggggga		1380	
	_				cctgcactgg		1440	
					tttgaggagc		1500	
					gtccctcccc		1560	
					ctgtcccacc		1620	
					ggcaccctag		1680	
					ggtgagggtc		1740	
					tatatgatgg		1800	
					gaccttcctc		1860	
					aggagtcaga		1920	
					ctcatatggg		1980	
					tgaagtgctt		2040	
					aacatactgg		2100	
					acctagactg		2160	
					cagctcctcc		2220	
					taaaaaaaaa		2280	
426		u					2281	
		ID NO: 4						
	9 <210> SEQ ID NO: 4 0 <211> LENGTH: 2140							
	Company of the contract of the							
	32 <213> ORGANISM: Homo sapiens 34 <400> SEQUENCE: 4							
	- -		ccgaagtcag	tteettataa	agccggagct	gggcgcggat	60	
					gaaccggctg		120	
					ggcccagtgg		180	
					caggaggccc		240	
					ttcgcctggg		300	
					cggcgaggcc		360	
					caggggacag		420	
					tcaggggagc		480	
		_					540	
					cggcagacca aagccctaat		600	
		_			gctctacatc		660	
					ttaaacacct		720	
							780	
433	acaccergge	cyccoccigo	ccccagect	ciggiatiag	aattatttaa	ucuuuaacta	,00	

VERIFICATION SUMMARY

DATE: 06/09/2006

PATENT APPLICATION: US/10/581,213

TIME: 10:37:49

Input Set : A:\5185.ST25.txt

Output Set: N:\CRF4\06092006\J581213.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date